

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/05595

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61M1/10 F04B43/12 F04B49/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M F04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 733 257 A (STERNBY JAN) 31 March 1998 (1998-03-31) cited in the application column 7	1-20, 26, 27
X	US 5 947 692 A (SAHLIN MARK P ET AL) 7 September 1999 (1999-09-07) claims	1-20, 26, 27

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

28 March 2003

Date of mailing of the international search report

03/04/2003

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5733257	A	31-03-1998	AT 200031 T	15-04-2001
			DE 69426985 D1	03-05-2001
			DE 69426985 T2	19-07-2001
			DK 723463 T3	30-04-2001
			EP 0723463 A1	31-07-1996
			ES 2155094 T3	01-05-2001
			JP 9503415 T	08-04-1997
			PT 723463 T	28-09-2001
			WO 9510310 A1	20-04-1995
<hr/>				
US 5947692	A	07-09-1999	CA 2306230 A1	14-05-1999
			EP 1027539 A1	16-08-2000
			WO 9923386 A1	14-05-1999